

16569 U.S. PTO

UTILITY  
PATENT APPLICATION  
TRANSMITTAL

Attorney Docket No.: GS 174 D1

First Inventor: Richard A. Blanchard et al.

Title:

HIGH VOLTAGE POWER MOSFET HAVING A VOLTAGE  
SUSTAINING REGION THAT INCLUDES DOPED COLUMNS  
FORMED BY TRENCH ETCHING USING AN ETCHANT GAS  
THAT IS ALSO A DOPING SOURCE

Express Mail Label No.: ER 639293505 US

(Only for new nonprovisional applications under 37 CFR 1.53(b))

APPLICATION ELEMENTS  
(see MPEP chapter 600 concerning  
utility patent application contents)

ADDRESS TO:

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

1. ☒ Fee Transmittal Form in duplicate  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status  
See 37 CFR 1.27
3. ☒ Specification Total Pages   
(preferred arrangement set forth below)  
-Descriptive title of the invention  
-Cross Reference to Related Applications  
-Statement Regarding Fed sponsored R&D  
-Reference to sequence listing, a table,

-Background of the Invention  
-Brief Summary of the Invention  
-Brief Description of the Drawings (if filed)  
-Detailed Description  
-Claim(s)  
-Abstract of the Disclosure

4. ☒ Drawing(s) Total Sheets

## 5. Oath or Declaration

- a. ☐ Newly executed (original or copy)
- b. ☒ Copy from a prior application (37  
CFR 1.63(d)) (for continuation/ divisional with  
Box 18 completed)
- i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting  
inventor(s) named in the prior application,  
see 37 CFR 1.63(d)(2) and 1.33(b).

6. ☐ Application Data Sheet under 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large  
table or Computer Program (Appendix)
8. ☐ Nucleotide and/or Amino Acid Sequence  
(if applicable, all necessary)
- a. ☐ Computer Readable Form (CFR)
- b. ☐ Specification Sequence Listing on:  
i. ☐ CD-ROM or CD-4 (2 copies);  
ii. ☐ or paper
- c. ☐ Statements verifying identify of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) ☒ Power of Attorney  
Statement (when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ IDS ☐ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
15. ☐ Certified Copy of Priority Document
16. ☐ Nonpublication Request under 35 U.S.C.  
122(b)(2)(B)(i). Applicant must attach form  
PTO/SB/35 or its equivalent.
17. ☐ Other: \_\_\_\_\_

## 18. IF A CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☒ Divisional ☐ Continuation-in- Part (CIP) Prior Appl. No.

Prior Appl. information:

Examiner:

Phat X. Cao

Group/Art Unit:

2814

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

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Registration No.

36,721

SIGNATURE

Karin L. Williams

Date

2/17/04

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10/784516

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022304

<b>FEE TRANSMITTAL</b> Patent fees are subject to annual revision		<i>Complete if Known</i>																																																																																																																																																																																																																																																						
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1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to: Deposit Account Number <span style="border: 1px solid black; padding: 2px;">50-1047</span> Deposit Account Name <span style="border: 1px solid black; padding: 2px;">Mayer Fortkort &amp; Williams</span>  <input checked="" type="checkbox"/> Charge Any Additional Fee required under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		<b>3. 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late filing fee or oath	1052	2052	50	25	Surcharge - late Provisional filing	1053	1053	130	130	Non-English specification	147	2520	147	2520	For filing a request for ex parte Reexamination	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	1805	1840*	1805	1840*	Requesting publication of SIR after Examiner action	1251	110	2251	55	Extension for reply within first month	1252	420	2252	210	Extension for reply within second month	1253	950	2253	475	Extension for reply within third month	1254	1480	2254	740	Extension for reply within fourth month	1255	2010	2255	1005	Extension for reply within fifth month	1401	330	2401	165	Notice of Appeal	1402	330	2402	165	Filing a brief in support of an appeal	1403	290	2403	145	Request for oral hearing	1451	1510	1451	1510	Petition to institute a public use proceeding	1452	1330	2452	665	Petition to revive - unavoidable	1453	1330	2453	665	Petition to revive - unintentional	1501	1330	2501	665	Utility issue fee (or reissue)	1502	480	2502	240	Design issue fee	1503	640	2503	320	Plant issue fee	1460	130	1460	130	Petitions to the Commissioner	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	1806	180	1806	180	Submission of IDS	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	1801	770	2801	385	Request for Continued Examination (RCE)	1802	900	1802	900	Request for expedited examination of a design application	Other fee (specify) _____				
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<b>SUBMITTED BY</b> Name (Print/Type) <span style="border: 1px solid black; padding: 2px;">Karin L. Williams</span> Signature <span style="border: 1px solid black; padding: 2px;"><i>Karin L. Williams</i></span>		Complete (if applicable) Registration No. <span style="border: 1px solid black; padding: 2px;">36,721</span> Telephone <span style="border: 1px solid black; padding: 2px;">908-518-7700</span> Date <span style="border: 1px solid black; padding: 2px;">2/17/04</span>																																																																																																																																																																																																																																																						

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**Applicant(s): **Richard A. Blanchard et al.**

Docket No.

**GS 174 D1**

Serial No.

Unassigned

Filing Date

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Examiner

Unassigned

Group Art Unit

2814

Invention: **HIGH VOLTAGE POWER MOSFET HAVING A VOLTAGE SUSTAINING REGION THAT INCLUDES DOPED COLUMNS FORMED BY TRENCH ETCHING USING AN ETCHANT GAS THAT IS ALSO A DOPING SOURCE**

I hereby certify that the following correspondence:

**New U.S. Divisional Patent Application***(Identify type of correspondence)*

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2/23/04*(Date)***Marjorie Scariati***(Typed or Printed Name of Person Mailing Correspondence)*  
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